Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/03/2019 10:00 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124884	-1	4.14	124867	4.16
Blue	F	SSC	125000	124624	-1	2.62	125414	2.66
Blue	E	FITC	16122	15578	-4	3.79	340	20.52
Blue	D	PE	29316	28926	-2	3.36	630	15.00
Blue	B	PerCP-Cy5-5	42590	42059	-2	4.63	1133	20.27
Blue	A	PE-Cy7	33146	33034	-1	7.03	638	40.95
Red	C	APC	45473	45296	-1	2.95	1606	11.95
Red	A	APC-Cy7	31961	30941	-4	3.51	816	12.30
Violet	B	V450	7914	7645	-4	3.76	430	13.54
Violet	A	V500	29769	28704	-4	3.40	670	10.43

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21457	4.85	611	11	N/A	N/A	Pass
Blue	F	SSC	56094	2.69	546	8	N/A	N/A	Pass
Blue	E	FITC	62	65.09	539	2	0.0194	150	Pass
Blue	D	PE	132	51.12	542	5	0.1731	324	Pass
Blue	B	PerCP-Cy5-5	206	50.15	643	5	0.0094	77	Pass
Blue	A	PE-Cy7	117	102.05	698	7	0.0108	16	Pass
Red	C	APC	380	24.95	583	4	0.0260	177	Pass
Red	A	APC-Cy7	180	28.86	559	3	0.0055	913	Pass
Violet	B	V450	67	60.16	460	0	0.0446	1950	Pass
Violet	A	V500	100	36.34	472	0	0.0231	1198	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.87	-31.55	0.98
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.52
Red	16.77	13.60 - 20.40	N/A	N/A	29.14	29.58	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10463

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments